

Datasheet for ABIN5954914

CD47 Protein (CD47) (AA 19-140) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD47
Protein Characteristics:	AA 19-140
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD47 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 19-140
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

Target Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)
Background:	Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in

Target Details

the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.

Molecular Weight:	40.7 kDa
NCBI Accession:	XP_006521874

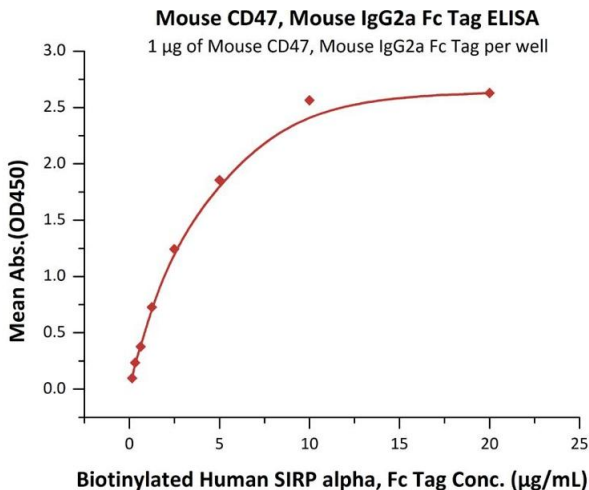
Application Details

Restrictions:	For Research Use only
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Handling

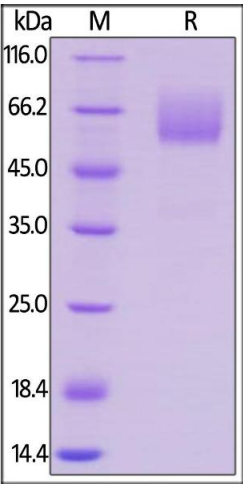
Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Mouse CD47, Mouse IgG2a Fc Tag, low endotoxin (ABIN5954914,ABIN6809967) at 10 µg/mL (100 µL/well) can bind Biotinylated Human SIRP alpha, Fc Tag (ABIN5526676,ABIN5526677) with a linear range of 0.16-5 µg/mL (QC tested).



SDS-PAGE

Image 2. Mouse CD47, Mouse IgG2a Fc Tag, low endotoxin on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .